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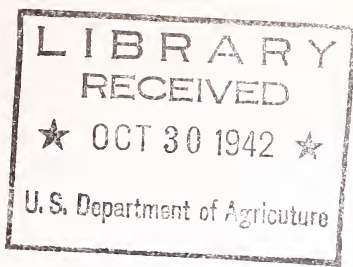
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AGRICULTURAL RESEARCH ADMINISTRATION

SERVICE AND REGULATORY ANNOUNCEMENTS  
BUREAU OF ANIMAL INDUSTRY

AUGUST 1942

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CHANGES IN DIRECTORY

Meat Inspection Granted

- †\*64. Sicloff Packing Co., 4328 Sacramento Avenue, St. Louis, Mo.
- †\*72. Minch's Wholesale Meats, Red Bluff, Calif.
- †\*154. Merchants Packing Co., 3029 East Vernon Avenue, Vernon, Calif.
- †\*293. Kern Valley Packing Co., R. F. D. No. 2, box 90, Bakersfield, Calif.
- †\*334. Great Western Packing Co., Inc., 3115 East Vernon Avenue, Vernon, Calif.
- †\*364. United Dressed Beef Co., 4360 South Soto Street, Vernon, Calif.
- †\*386. Cuyamaca Meats, Inc., P. O. box 110, Main and Railroad Streets, El Cajon, Calif.
- †\*490. Goldring Packing Co., 3461 East Vernon Avenue, Vernon, Calif.
- †\*595. Valley Meat Packing Co., 259 South Waterman Avenue, Colton, Calif.
- †\*724. Coast Packing Co., 3275 East Vernon Avenue, Vernon, Calif.
- †769. Cornell Provision Co., 1411-1413 West Chicago Avenue, Chicago, Ill.

†No sealed cars.  
\*Conducts slaughtering.



- †\*889. Russ Markets Inc., Eureka, Calif.
- †\*898. Sterling Meat Corporation, 2501 East Vernon Avenue, Vernon, Calif.
- †\*930. Shasta Valley Packing Co., Montague, Calif.
- †\*959. M. Machlin Meat Packing Co., Church and Fruit Avenues, Fresno, Calif.
- 987. Anglo-American Development Corporation, 547 Twentieth Street, New York, N. Y.

#### Meat Inspection Extended

- 407-A. Mickelberry's Food Products Co., Bushnell, Ill., to include Mickelberry's Sausage Co.

#### Change of Name of Official Establishment

134. John J. Felin & Co., Inc., Wilmington, Del., instead of Delaware Packing Co.  
811. Archie McFarland & Son, Salt Lake City, Utah, instead of Archie McFarland & Son, Inc.

#### Change of Number of Official Establishment

- 60-A. Fried & Reineman Packing Co., Pittsburgh, Pa., instead of 60.

#### Change of Official in Charge

Dr. C. C. Logan succeeds Dr. I. H. Kaufman as inspector in charge at Houlton, Maine, effective October 1, 1942. Dr. Logan will be acting inspector in charge from September 4 to the termination of September 30, 1942.

Dr. I. H. Kaufman succeeds Dr. L. E. Patton (transferred to Albuquerque, N. Mex., as assistant to inspector in charge) as inspector in charge at Newport, Vt., effective October 1, 1942. Dr. Kaufman will be acting inspector in charge from September 8 to the termination of September 30, 1942.

#### Substations Added

Bakersfield, Calif., meat inspection, under Los Angeles, Calif.  
Colton, Calif., meat inspection, under Los Angeles, Calif.  
Davisville, R. I., meat inspection (Navy work), under Providence, R. I.  
El Cajon, Calif., meat inspection, under San Diego, Calif.  
Eureka, Calif., meat inspection, under San Francisco, Calif.  
Fresno, Calif., meat inspection, under Los Angeles, Calif.  
Great Lakes, Ill., meat inspection (Navy work), under Chicago, Ill.  
Montague, Calif., meat inspection, under San Francisco, Calif.  
Red Bluff, Calif., meat inspection, under San Francisco, Calif.

#### Change of Location of Official Station

Albuquerque, N. Mex., investigations of external parasites of livestock, Dr. Marion Imes, in charge, 209 Federal Building Annex, instead of 23 Federal Building, Kansas City, Kans., effective September 16, 1942.

Colorado Springs, Colo., San Angelo, Tex., and Las Vegas, N. Mex., will be substations of Albuquerque, N. Mex.



# ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, JULY 1942<sup>1</sup>

| Station                           | Cattle      | Calves      | Sheep and lambs | Goats  | Swine        |
|-----------------------------------|-------------|-------------|-----------------|--------|--------------|
| Chicago <sup>2</sup> .....        | 130, 711    | 22, 586     | 225, 834        | -----  | 412, 637     |
| Denver.....                       | 20, 010     | 1, 507      | 25, 505         | -----  | 42, 903      |
| Kansas City.....                  | 81, 964     | 27, 464     | 105, 231        | -----  | 175, 300     |
| New York <sup>3</sup> .....       | 40, 923     | 70, 004     | 246, 292        | -----  | 155, 400     |
| Omaha.....                        | 82, 118     | 2, 300      | 119, 272        | -----  | 190, 739     |
| St. Louis <sup>4</sup> .....      | 55, 826     | 44, 342     | 118, 569        | -----  | 288, 579     |
| Sioux City.....                   | 49, 341     | 514         | 45, 831         | -----  | 136, 450     |
| South St. Paul <sup>5</sup> ..... | 69, 156     | 34, 232     | 44, 749         | -----  | 237, 667     |
| All other stations.....           | 517, 860    | 258, 427    | 773, 926        | 849    | 2, 245, 900  |
| Total:                            |             |             |                 |        |              |
| July 1942.....                    | 1, 047, 909 | 461, 376    | 1, 705, 209     | 849    | 3, 885, 575  |
| July 1941.....                    | 967, 531    | 445, 023    | 1, 568, 689     | 1, 466 | 3, 005, 684  |
| 7 months ended—                   |             |             |                 |        |              |
| July 1942.....                    | 6, 805, 660 | 3, 231, 814 | 10, 917, 738    | 1, 893 | 30, 812, 661 |
| July 1941.....                    | 5, 909, 442 | 3, 131, 758 | 10, 358, 444    | 3, 097 | 26, 318, 566 |

<sup>1</sup> Horses slaughtered:

|                 |         |
|-----------------|---------|
| July 1942.....  | 1, 898  |
| July 1941.....  | 1, 701  |
| 7 months ended— |         |
| July 1942.....  | 13, 888 |
| July 1941.....  | 8, 778  |

<sup>2</sup> Includes Elburn, Ill.<sup>3</sup> Includes Jersey City and Newark, N. J.<sup>4</sup> Includes National Stock Yards and East St. Louis, Ill.<sup>5</sup> Includes Newport and St. Paul, Minn.

# MEAT AND MEAT FOOD PRODUCTS PREPARED AND PROCESSED UNDER FEDERAL MEAT INSPECTION, JULY 1942

| Product   | Quantity      | Product                                       | Quantity                      |
|---|---------------|---|-------------------------------|
| Meat placed in cure:  | <i>Pounds</i> | Canned meat and meat food products—Continued. | <i>Pounds</i>                 |
| Beef.....   | 11, 864, 862  | Soup.....                                     | 6, 101, 653                   |
| Pork.....   | 293, 476, 039 | All other.....                                | 28, 267, 580                  |
| Smoked and/or dried:  |               | Bacon, sliced.....                            | 37, 094, 139                  |
| Beef.....   | 6, 120, 997   | Lard:   |                               |
| Pork.....   | 181, 636, 295 | Rendered.....                                 | 123, 208, 622                 |
| Sausage:  |               | Refined.....                                  | 116, 364, 248                 |
| Fresh, finished.....  | 11, 343, 631  | Canned.....                                   | 198, 012                      |
| Smoked and/or cooked.....                                     | 78, 216, 208  | Rendered pork fat:                            |                               |
| To be dried or semidried.....                                 | 10, 760, 033  | Rendered.....                                 | 15, 833, 573                  |
| Loaf, headcheese, chili con carne, jellied products, etc..... | 17, 058, 633  | Refined.....                                  | 9, 112, 985                   |
| Cooked meat:  |               | Canned.....                                   | 676, 804                      |
| Beef.....   | 806, 558      | Oleo stock.....                               | 12, 354, 580                  |
| Pork.....   | 26, 065, 460  | Edible tallow.....                            | 8, 059, 414                   |
| Canned meat and meat food products:                           |               | Compound containing animal fat.....           | 24, 562, 548                  |
| Beef.....   | 11, 041, 231  | Oleomargarine containing animal fat.....      | 3, 933, 727                   |
| Pork.....   | 94, 728, 213  | Miscellaneous.....                            | 2, 389, 052                   |
| Sausage.....  | 29, 341, 095  | Total.....                                    | <sup>1</sup> 1, 160, 616, 192 |

<sup>1</sup> This figure represents inspection pounds as some of the products may have been inspected and recorded more than once due to having been subjected to more than one distinct processing treatment, such as curing first and then canning.

# SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, JULY 1942

| State or Territory  | Tuberculin tests during month |                 | Total to date <sup>1</sup> |                  |                         | Inspector in charge  | State official                     |
|---------------------|-------------------------------|-----------------|----------------------------|------------------|-------------------------|----------------------|------------------------------------|
|                     | Cattle tested                 | Cattle re-acted | Once-tested-free herds     | Accredited herds | Herds under supervision |                      |                                    |
| Alabama.....        | 2,344                         | 0               | 270,875                    | 630              | 271,445                 | R. E. Jackson....    | R. S. Sugg, Auburn.                |
| Arizona.....        | 678                           | 0               | 12,236                     | 4                | 12,593                  | F. L. Schneider....  | T. B. Jones, Phoenix.              |
| Arkansas.....       | 2,093                         | 1               | 228,256                    | 1                | 228,257                 | A. W. Rice.....      | Joe S. Campbell, Little Rock.      |
| California.....     | 97,316                        | 132             | 74,598                     | 17               | 74,669                  | H. M. O'Rear.....    | C. U. Duckworth, Sacramento.       |
| Colorado.....       | 2,254                         | 12              | 60,611                     | 31               | 60,846                  | Edgar Heiny.....     | R. M. Gow, Denver.                 |
| Connecticut.....    | 6,818                         | 24              | 213                        | 17,405           | 18,554                  | R. L. Smith.....     | Claude Jones, Hartford.            |
| Delaware.....       | 1,589                         | 0               | 6,334                      | 2,121            | 8,464                   | O. L. Lockwood....   | Harry McDaniel, Jr., Dover.        |
| Dist. of Col.....   | 0                             | 0               | 15                         | 2                | 17                      | A. E. Wight.....     | J. V. Knapp, Tallahassee.          |
| Florida.....        | 2,842                         | 0               | 40,749                     | 61               | 67,656                  | T. H. Applewhite.... | Tom Linder, Atlanta.               |
| Georgia.....        | 2,046                         | 0               | 242,532                    | 65               | 242,626                 | W. C. Dendinger....  | A. P. Schneider, Boise.            |
| Idaho.....          | 3,279                         | 3               | 51,174                     | 29               | 51,270                  | F. F. Fischer.....   | C. E. Fidler, Springfield.         |
| Illinois.....       | 81,781                        | 117             | 233,387                    | 713              | 243,433                 | A. K. Kuttler.....   | J. L. Axby, Indianapolis.          |
| Indiana.....        | 11,022                        | 12              | 146,134                    | 1,310            | 147,750                 | W. A. Sullivan....   | Will J. Miller, Topeka.            |
| Iowa.....           | 21,524                        | 86              | 0                          | 440              | 194,440                 | J. A. Barger.....    | L. B. Breck, Frankfort.            |
| Kansas.....         | 5,168                         | 6               | 170,338                    | 185              | 171,032                 | Ralph Graham.....    | E. P. Flower, Baton Rouge.         |
| Kentucky.....       | 3,958                         | 0               | 163,647                    | 29               | 163,867                 | E. E. Coshow.....    | D. P. Corbett, Augusta.            |
| Louisiana.....      | 5,498                         | 21              | 148,748                    | 0                | 148,804                 | W. A. McDonald....   | Mark Welsh, Baltimore.             |
| Maine.....          | 1,472                         | 0               | 43,571                     | 150              | 43,817                  | B. J. Cady.....      | Jas. DeNormandie, Boston.          |
| Maryland.....       | 20,603                        | 13              | 29,450                     | 14,743           | 44,271                  | O. L. Lockwood....   | C. H. Clark, Lansing.              |
| Massachusetts.....  | 7,147                         | 25              | 1,061                      | 20,695           | 21,598                  | E. M. Aldrich.....   | Ralph L. West, St. Paul.           |
| Michigan.....       | 19,766                        | 14              | 206,988                    | 64               | 207,087                 | C. H. Hays.....      | E. S. Brashier, Jackson.           |
| Minnesota.....      | 84,873                        | 30              | 188,488                    | 784              | 189,422                 | W. J. Fretz.....     | J. W. George, Jefferson City.      |
| Mississippi.....    | 2,447                         | 8               | 260,164                    | 4                | 260,180                 | Hartwell Robins....  | W. J. Butler, Helena.              |
| Missouri.....       | 2,346                         | 1               | 237,707                    | 62               | 239,687                 | E. C. Hughes.....    | J. R. Snyder, Lincoln.             |
| Montana.....        | 1,940                         | 1               | 72,999                     | 20               | 73,033                  | G. W. Cronen.....    | W. B. Earl, Reno.                  |
| Nebraska.....       | 5,426                         | 18              | 134,837                    | 33               | 135,227                 | J. W. Murdoch.....   | R. W. Smith, Concord.              |
| Nevada.....         | 0                             | 0               | 3,517                      | 2                | 3,441                   | S. H. Still.....     | R. A. Hendershott, Trenton.        |
| New Hampshire.....  | 193                           | 2               | 654                        | 17,482           | 18,914                  | E. M. Aldrich.....   | Sam McCue, Albuquerque.            |
| New Jersey.....     | 8,094                         | 16              | 1,876                      | 14,193           | 16,174                  | J. R. Porteus.....   | E. T. Faulder, Albany.             |
| New Mexico.....     | 1,010                         | 1               | 22,104                     | 2                | 25,450                  | F. L. Schneider....  | William Moore, Raleigh.            |
| New York.....       | 94,826                        | 132             | 6,674                      | 131,832          | 139,044                 | H. B. Leonard.....   | T. O. Brandenburg, Bismarck.       |
| North Carolina..... | 3,101                         | 0               | 256,170                    | 519              | 256,689                 | A. A. Husman.....    | F. L. Carr, Columbus.              |
| North Dakota.....   | 1,251                         | 13              | 65,403                     | 40               | 68,003                  | F. C. Driver.....    | D. H. Ricks, Oklahoma City.        |
| Ohio.....           | 8,834                         | 20              | 241,507                    | 651              | 242,257                 | A. J. DeFosset.....  | W. H. Lytle, Salem.                |
| Oklahoma.....       | 2,347                         | 0               | 276,267                    | 24               | 276,320                 | C. H. Fauks.....     |                                    |
| Oregon.....         | 6,923                         | 25              | 213,835                    | 2,081            | 213,856                 | S. B. Foster.....    |                                    |
| Pennsylvania.....   | 50,847                        | 277             | 159,142                    | 6,943            | 166,085                 | J. B. Reidy.....     | C. P. Bishop, Harrisburg.          |
| Rhode Island.....   | 2,299                         | 2               | 2,343                      | 1,299            | 4,137                   | E. M. Aldrich.....   | R. G. Bressler, Providence.        |
| South Carolina..... | 1,144                         | 0               | 57,323                     | 91               | 57,417                  | W. K. Lewis.....     | W. K. Lewis, Columbia.             |
| South Dakota.....   | 18,506                        | 39              | 73,290                     | 3                | 73,365                  | Neil Plank.....      | R. S. Robinson, Pierre.            |
| Tennessee.....      | 6,199                         | 8               | 294,896                    | 24               | 294,937                 | H. L. Fry.....       | C. E. Kord, Nashville.             |
| Texas.....          | 16,339                        | 25              | 282,815                    | 62               | 372,281                 | H. L. Darby.....     | T. O. Booth, Fort Worth.           |
| Utah.....           | 4,616                         | 30              | 87,101                     | 128              | 87,439                  | H. H. Cohenour....   | J. I. Curtis, Salt Lake City.      |
| Vermont.....        | 4,062                         | 53              | 5,757                      | 17,192           | 22,991                  | N. H. Howlett.....   | E. H. Jones, Montpelier.           |
| Virginia.....       | 8,280                         | 26              | 198,963                    | 475              | 199,500                 | H. S. Miller.....    | H. C. Givens, Richmond.            |
| Washington.....     | 9,967                         | 10              | 76,405                     | 16               | 76,475                  | J. C. Exline.....    | M. O. Barnes, Olympia.             |
| West Virginia.....  | 3,395                         | 3               | 114,632                    | 599              | 115,235                 | H. M. Newton.....    | T. C. Green, Charleston.           |
| Wisconsin.....      | 97,472                        | 129             | 177,656                    | 6,348            | 184,365                 | J. S. Healy.....     | V. S. Larson, Madison.             |
| Wyoming.....        | 739                           | 4               | 20,388                     | 2                | 20,398                  | F. H. Melvin.....    | H. D. Port, Cheyenne.              |
| Hawaii.....         | 134                           | 1               | 1,800                      | 0                | 1,800                   | A. H. Julien.....    | E. H. Willers, Honolulu.           |
| Puerto Rico.....    | 7,190                         | 30              | 62,498                     | 0                | 62,568                  | E. E. Maas.....      | Isidoro A. Colon, San Juan.        |
| Virgin Islands..... | 0                             | 0               | 419                        | 0                | 420                     | .....do.....         | Ralph L. Williams, Christianssted. |
| Total.....          | 753,998                       | 1,370           | 5,728,597                  | 259,606          | 6,319,906               |                      |                                    |

<sup>1</sup> All States are 100 percent modified accredited. Puerto Rico and the Virgin Islands are also in the modified accredited area.

SUMMARY OF BRUCELLOSIS (BANG'S DISEASE) WORK IN COOPERATION WITH STATES, JULY 1942<sup>1</sup>

| State               | Tests of blood samples during month |               | Tests of herds containing reactors |               |               |  | Calves vaccinated during month <sup>3</sup> | Modified accredited counties | Total accredited |           | Herds under supervision | Total cattle on waiting list |
|---------------------|-------------------------------------|---------------|------------------------------------|---------------|---------------|--|---|------------------------------|------------------|-----------|-------------------------|------------------------------|
|                     | Herds tested                        | Cattle tested | Herds tested                       | Cattle tested | Reactors      |  |   |                              | Herds            | Cattle    |                         |                              |
|                     |                                     |               |                                    |               | For slaughter | Held in calfhood vaccinated herds <sup>2</sup> |   |                              |                  |           |                         |                              |
| Alabama.....        | 2,532                               | 18,802        | 178                                | 11,063        | 950           | 62   | 318   | 31                           | 752              | 127,986   | 130,770                 | 71,503                       |
| Arizona.....        | 61                                  | 845           | 8                                  | 221           | 1             | 14   | 28  | 0                            | 9                | 776       | 4,136                   | 1,000                        |
| Arkansas.....       | 681                                 | 11,588        | 142                                | 5,797         | 333           | 0  | 43  | 63                           | 0                | 0         | 213,415                 | 0                            |
| Colorado.....       | 121                                 | 1,478         | 19                                 | 315           | 11            | 40   | 107   | 0                            | 24               | 1,186     | 2,584                   | 4,185                        |
| Connecticut.....    | 96                                  | 2,286         | 31                                 | 907           | 76            | 0  | 39  | 0                            | 401              | 11,093    | 637                     | 0                            |
| Delaware.....       | 162                                 | 1,765         | 33                                 | 510           | 121           | 0  | 102   | 1                            | 346              | 7,110     | 6,386                   | 191                          |
| Florida.....        | 1,025                               | 24,142        | 131                                | 11,397        | 374           | 7  | 239   | 1                            | 284              | 19,000    | 25,045                  | 0                            |
| Georgia.....        | 1,268                               | 11,939        | 132                                | 5,226         | 570           | 0  | 0   | 65                           | 26               | 2,261     | 128,846                 | 206,090                      |
| Idaho.....          | 451                                 | 3,899         | 77                                 | 1,064         | 146           | 29   | 355   | 8                            | 2,834            | 34,866    | 44,054                  | 0                            |
| Illinois.....       | 260                                 | 5,020         | 89                                 | 1,720         | 145           | 70   | 149   | 0                            | 524              | 12,162    | 13,638                  | 0                            |
| Indiana.....        | 181                                 | 2,177         | 12                                 | 252           | 16            | 0  | 0   | 0                            | 6,206            | 112,512   | 4,751                   | 914                          |
| Iowa.....           | 640                                 | 10,232        | 254                                | 4,779         | 1,070         | 0  | 131   | 0                            | 3,203            | 57,720    | 27,913                  | 7,089                        |
| Kansas.....         | 406                                 | 4,239         | 40                                 | 472           | 74            | 0  | 0   | 0                            | 310              | 9,711     | 4,978                   | 2,123                        |
| Kentucky.....       | 158                                 | 2,970         | 33                                 | 1,262         | 57            | 15   | 22  | 0                            | 89               | 2,020     | 37,581                  | 4,850                        |
| Louisiana.....      | 130                                 | 3,606         | 61                                 | 3,121         | 222           | 269  | 1,634                                       | 20                           | 0                | 0         | 64,165                  | 27,652                       |
| Maine.....          | 1,399                               | 8,808         | 110                                | 1,591         | 184           | 0  | 93  | 1                            | 283              | 4,825     | 11,563                  | 0                            |
| Maryland.....       | 1,157                               | 11,414        | 154                                | 2,878         | 288           | 23   | 417   | 4                            | 3,693            | 62,022    | 24,182                  | 1,138                        |
| Massachusetts.....  | 8                                   | 212           | 1                                  | 20            | 0             | 11   | 103   | 0                            | 83               | 3,490     | 83                      | 0                            |
| Michigan.....       | 1,290                               | 11,934        | 252                                | 3,295         | 640           | 55   | 161   | 26                           | 3,134            | 52,721    | 27,724                  | 3,475                        |
| Minnesota.....      | 2,803                               | 36,587        | 243                                | 5,498         | 837           | 0  | 0   | 19                           | 30               | 841       | 89,730                  | 18,148                       |
| Mississippi.....    | 876                                 | 6,094         | 34                                 | 1,961         | 82            | 0  | 0   | 4                            | 465              | 10,072    | 7,621                   | 0                            |
| Missouri.....       | 535                                 | 6,245         | 102                                | 1,811         | 259           | 0  | 0   | 0                            | 57               | 2,833     | 84,807                  | 0                            |
| Montana.....        | 116                                 | 1,413         | 13                                 | 495           | 41            | 11   | 141   | 0                            | 15               | 682       | 2,944                   | 0                            |
| Nebraska.....       | 92                                  | 1,055         | 20                                 | 336           | 48            | 0  | 14  | 0                            | 412              | 7,235     | 8,625                   | 1,607                        |
| Nevada.....         | 12                                  | 251           | 1                                  | 25            | 0             | 1  | 26  | 0                            | 42               | 1,775     | 216                     | 0                            |
| New Hampshire.....  | 1,348                               | 10,067        | 193                                | 2,311         | 378           | 0  | 0   | 0                            | 4,850            | 44,487    | 10,071                  | 256                          |
| New Jersey.....     | 298                                 | 5,534         | 57                                 | 2,428         | 91            | 22   | 155   | 0                            | 315              | 8,759     | 1,176                   | 0                            |
| New Mexico.....     | 153                                 | 2,240         | 22                                 | 1,035         | 19            | 7  | 31  | 0                            | 5                | 204       | 10,024                  | 2,000                        |
| New York.....       | 530                                 | 12,670        | 269                                | 8,011         | 87            | 1,452  | 1,505                                       | 0                            | 1,441            | 42,403    | 5,429                   | 0                            |
| North Carolina..... | 621                                 | 9,336         | 57                                 | 1,981         | 97            | 0  | 2   | 100                          | 651              | 26,758    | 249,084                 | 0                            |
| North Dakota.....   | 1,184                               | 17,506        | 185                                | 3,092         | 392           | 73   | 126   | 24                           | 26               | 2,158     | 50,930                  | 212,631                      |
| Ohio.....           | 1,038                               | 11,029        | 110                                | 1,943         | 258           | 0  | 149   | 4                            | 2,725            | 51,015    | 57,784                  | 33,000                       |
| Oklahoma.....       | 617                                 | 8,288         | 136                                | 3,015         | 284           | 3  | 75  | 0                            | 931              | 18,923    | 46,578                  | 2,870                        |
| Oregon.....         | 1,415                               | 12,187        | 76                                 | 2,548         | 278           | 21   | 131   | 16                           | 0                | 0         | 103,431                 | 0                            |
| Pennsylvania.....   | 2,817                               | 40,569        | 589                                | 11,847        | 1,513         | 0  | 213   | 18                           | 6,443            | 134,647   | 74,088                  | 22,682                       |
| Rhode Island.....   | 17                                  | 281           | 3                                  | 135           | 6             | 0  | 0   | 0                            | 21               | 574       | 141                     | 0                            |
| South Carolina..... | 452                                 | 3,406         | 17                                 | 748           | 26            | 5  | 5   | 8                            | 82               | 5,532     | 37,388                  | 2,500                        |
| South Dakota.....   | 66                                  | 1,603         | 21                                 | 618           | 15            | 35   | 64  | 0                            | 163              | 3,553     | 2,050                   | 10,000                       |
| Tennessee.....      | 342                                 | 7,454         | 146                                | 5,478         | 297           | 112  | 218   | 7                            | 447              | 15,780    | 45,870                  | 2,000                        |
| Texas.....          | 303                                 | 6,852         | 37                                 | 3,198         | 75            | 0  | 112   | 0                            | 1,383            | 18,819    | 2,407                   | 0                            |
| Utah.....           | 195                                 | 2,056         | 49                                 | 913           | 131           | 0  | 191   | 2                            | 0                | 0         | 32,546                  | 0                            |
| Vermont.....        | 580                                 | 8,695         | 260                                | 5,947         | 0             | 471  | 1,527                                       | 0                            | 297              | 9,276     | 2,522                   | 1,767                        |
| Virginia.....       | 802                                 | 11,716        | 116                                | 4,487         | 271           | 0  | 0   | 75                           | 259              | 13,856    | 190,769                 | 84,881                       |
| Washington.....     | 1,428                               | 14,762        | 165                                | 5,187         | 560           | 67   | 1,396                                       | 17                           | 0                | 0         | 68,883                  | 0                            |
| West Virginia.....  | 1,255                               | 8,551         | 57                                 | 1,248         | 117           | 0  | 4   | 27                           | 268              | 9,762     | 68,056                  | 0                            |
| Wisconsin.....      | 642                                 | 16,422        | 352                                | 9,280         | 1,139         | 0  | 213   | 8                            | 33,668           | 665,052   | 82,204                  | 1,150                        |
| Wyoming.....        | 96                                  | 1,190         | 26                                 | 490           | 33            | 48   | 61  | 0                            | 4                | 245       | 3,275                   | 0                            |
| Total.....          | 32,659                              | 401,415       | 5,113                              | 141,956       | 12,612        | 2,973  | 10,300                                      | 549                          | 77,201           | 1,616,702 | 2,111,105               | 725,702                      |

<sup>1</sup> Officials in charge of brucellosis work are the same as those listed in summary of tuberculosis-eradication work.<sup>2</sup> Nonvaccinated reactors held during the month.<sup>3</sup> Calves in experimental herds not included.

## BIOLOGICAL PRODUCTS PREPARED UNDER LICENSES, JULY 1942

*Anti-hog-cholera serum*

| Period          | Preserved   | Completed   | Released    | Destroyed |
|-----------------|-------------|-------------|-------------|-----------|
|                 | Cc.         | Cc.         | Cc.         | Cc.       |
| July 1942.....  | 135,377,075 | 144,703,098 | 191,554,220 | 741,979   |
| July 1941.....  | 108,973,579 | 111,494,321 | 162,675,275 | 538,495   |
| 7 months ended— |             |             |             |           |
| July 1942.....  | 856,729,165 | 850,334,650 | 886,829,590 | 4,180,821 |
| July 1941.....  | 714,003,382 | 708,276,987 | 720,498,320 | 3,248,120 |

*Hog-cholera virus*

| Period          | Produced     |                      |             | Destroyed    |                      |
|-----------------|--------------|----------------------|-------------|--------------|----------------------|
|                 | Simultaneous | Hyperim-<br>munizing | Inoculating | Simultaneous | Hyperim-<br>munizing |
|                 | Cc.          | Cc.                  | Cc.         | Cc.          | Cc.                  |
| July 1942.....  | 14,593,295   | 29,975,582           | 144,780     | 527,772      | 1,240,747            |
| July 1941.....  | 16,323,233   | 23,752,321           | 113,359     | 515,155      | 1,268,674            |
| 7 months ended— |              |                      |             |              |                      |
| July 1942.....  | 75,735,990   | 177,434,133          | 861,752     | 3,011,756    | 8,090,068            |
| July 1941.....  | 64,188,488   | 143,051,989          | 598,744     | 2,244,340    | 5,845,236            |

INSPECTIONS AND TESTS IN THE PRODUCTION OF ANTI-HOG-  
CHOLERA SERUM AND HOG-CHOLERA VIRUS UNDER LICENSES,  
JULY 1942

| Period          | Animal<br>inspections | Animal<br>rejections | Pigs inoc-<br>ulated | Hogs hyper-<br>pered | Tests supervised |       |
|-----------------|-----------------------|----------------------|----------------------|----------------------|------------------|-------|
|                 |                       |                      |                      |                      | Serum            | Virus |
| July 1942.....  | 434,831               | 5,241                | 44,634               | 23,726               | 767              | 472   |
| July 1941.....  | 377,751               | 5,813                | 39,834               | 18,060               | 713              | 494   |
| 7 months ended— |                       |                      |                      |                      |                  |       |
| July 1942.....  | 2,602,600             | 34,363               | 248,072              | 137,249              | 3,602            | 2,204 |
| July 1941.....  | 2,114,429             | 25,736               | 198,095              | 111,059              | 2,883            | 1,913 |

BIOLOGICAL PRODUCTS, OTHER THAN ANTI-HOG-CHOLERA SERUM  
AND HOG-CHOLERA VIRUS, PRODUCED BY LICENSED ESTABLISH-  
MENTS DURING FISCAL YEAR ENDED JUNE 30, 1942

|                          | ANTITOXINS | Cubic<br>centimeters |
|--------------------------|------------|----------------------|
| Antivenin.....           |            | 57,500               |
| Botulinus antitoxin..... |            | 708,700              |
| Tetanus antitoxin.....   |            | 1,554,855            |
| Total.....               |            | 2,321,055            |

|  | SERUMS | Cubic<br>centimeters |
|--|--------|----------------------|
| Abortifacient serum (canine).....                |        | 14,620               |
| Antianthrax serum.....                           |        | 6,771,400            |
| Antibacterial serum (bovine).....                |        | 1,831,350            |
| Antibacterial serum (canine).....                |        | 1,697,550            |
| Antibacterial serum (equine).....                |        | 1,411,680            |
| Antibacterial serum (feline).....                |        | 298,730              |
| Antibacterial serum (porcine).....               |        | 194,750              |
| Antiblackleg serum.....                          |        | 152,500              |
| Anti-bronchisepticus-bacillus serum.....         |        | 26,580               |
| Anti-bronchisepticus-coli-pasteurella serum..... |        | 126,350              |
| Anti-canine-distemper serum.....                 |        | 8,391,030            |
| Anti-coli-enteritidis-pasteurella serum.....     |        | 295,420              |
| Anti-colon-bacillus serum.....                   |        | 231,090              |



**BIOLOGICAL PRODUCTS, OTHER THAN ANTI-HOG-CHOLERA SERUM  
AND HOG-CHOLERA VIRUS, PRODUCED BY LICENSED ESTABLISH-  
MENTS DURING FISCAL YEAR ENDED JUNE 30, 1942—Continued**

**SERUMS—Continued**

|  |  | <i>Cubic<br/>centimeters</i> |
|--|--|------------------------------|
| Antiencephalomyelitis serum:           |  |                              |
| Eastern.....                           |  | 40, 200                      |
| Western.....                           |  | 2, 213, 800                  |
| Eastern and western.....               |  | 247, 350                     |
| Anti-feline-distemper serum.....       |  | 49, 915                      |
| Anti-hemorrhagic-septicemia serum..... |  | 11, 667, 080                 |
| Antistreptococcus serum.....           |  | 213, 140                     |
| Anti-swine-erysipelas serum.....       |  | 38, 472, 300                 |
| Gonadin serum.....                     |  | 677, 070                     |
| Normal serum:                          |  |                              |
| Bovine origin.....                     |  | 394, 000                     |
| Canine origin.....                     |  | 355, 750                     |
| Equine origin.....                     |  | 2, 435, 350                  |
| Total.....                             |  | 78, 209, 005                 |

**AGGRESSINS**

|                                       | <i>Disks</i> | <i>Cubic<br/>centimeters</i> |
|---------------------------------------|--------------|------------------------------|
| Blackleg cultural aggressin.....      | 47, 770      | 6, 492, 630                  |
| Blackleg natural aggressin.....       |              | 11, 063, 625                 |
| Hemorrhagic-septicemia aggressin..... |              | 5, 849, 150                  |
| Total.....                            | 47, 770      | 23, 405, 405                 |

**DIAGNOSTICS**

|                       | <i>Disks</i> | <i>Cubic<br/>centimeters</i> |
|-----------------------|--------------|------------------------------|
| Avian tuberculin..... |              | 7, 099                       |
| Mallein:              |              |                              |
| Intradermic.....      |              | 367                          |
| Ophthalmic.....       | 3, 735       | 2, 466                       |
| Tuberculin:           |              |                              |
| Intradermic.....      |              | 161, 842                     |
| Ophthalmic.....       | 16, 570      | 392                          |
| Subcutaneous.....     |              | 59, 940                      |
| Total.....            | 20, 305      | 232, 106                     |

**TOXOIDS**

|                                   | <i>Cubic<br/>centimeters</i> |
|-----------------------------------|------------------------------|
| Staphylococcus aureus toxoid..... | 13, 860                      |
| Tetanus toxoid.....               | 2, 021, 060                  |
| Total.....                        | 2, 034, 920                  |

**VACCINES AND VIRUSES**

|   | <i>Milligrams</i> | <i>Disks</i> | <i>Cubic<br/>centimeters</i> |
|---|-------------------|--------------|------------------------------|
| Anthrax spore vaccine.....                |                   | 19, 000      | 5, 685, 137                  |
| Blackleg cultural vaccine.....            |                   |              | 33, 333                      |
| Blackleg tissue vaccine.....              |                   | 355, 010     |                              |
| Brucella abortus vaccine.....             |                   |              | 9, 844, 836                  |
| Canine-distemper vaccine.....             |                   |              | 1, 471, 533                  |
| Canine-distemper virus.....               | 439, 630          |              | 50, 650                      |
| Encephalomyelitis vaccine:                |                   |              |                              |
| Eastern.....                              |                   |              | 161, 942                     |
| Western.....                              |                   |              | 9, 994, 674                  |
| Eastern and western.....                  |                   |              | 1, 363, 358                  |
| Erysipelothrix rhusiopathiae vaccine..... |                   |              | 877, 872                     |
| Feline-distemper vaccine.....             |                   |              | 54, 330                      |
| Fowl-laryngotracheitis vaccine:           |                   |              |                              |
| Chick-embryo origin.....                  | 9, 163, 980       |              |                              |
| Chicken origin.....                       | 864, 440          |              |                              |

**BIOLOGICAL PRODUCTS, OTHER THAN ANTI-HOG-CHOLERA SERUM  
AND HOG-CHOLERA VIRUS, PRODUCED BY LICENSED ESTABLISH-  
MENTS DURING FISCAL YEAR ENDED JUNE 30, 1942—Continued**

**VACCINES AND VIRUSES—Continued**

|                       | <i>Milligrams</i> | <i>Disks</i> | <i>Cubic<br/>centimeters</i> |
|-----------------------|-------------------|--------------|------------------------------|
| Fowl-pox vaccine:     |                   |              |                              |
| Chick-embryo origin   | 4, 918, 520       | -----        | -----                        |
| Chicken origin        | 7, 251, 130       | -----        | -----                        |
| Ovine-ecthyma vaccine | 4, 080, 650       | -----        | -----                        |
| Pigeon-pox vaccine:   |                   |              |                              |
| Chick-embryo origin   | 930, 740          | -----        | -----                        |
| Pigeon origin         | 795, 610          | -----        | -----                        |
| Rabies vaccine        | -----             | -----        | 4, 801, 860                  |
| Wart vaccine          | -----             | -----        | 278, 675                     |
| Total                 | 28, 444, 700      | 374, 010     | 34, 618, 200                 |

**BACTERINS**

|   | <i>Disks</i> | <i>Cubic<br/>centimeters</i> |
|---|--------------|------------------------------|
| Anthrax bacterin                                      | -----        | 2, 031, 000                  |
| Autogenous bacterin                                   | -----        | 568, 175                     |
| Avisepticus-gallinarum bacterin                       | -----        | 12, 546, 305                 |
| Blackleg bacterin                                     | -----        | 71, 256, 650                 |
| Bronchisepticus bacillus bacterin                     | -----        | 8, 050                       |
| Bronchisepticus-coli-pasteurella bacterin             | -----        | 82, 608                      |
| Bronchisepticus-staphylococcus-streptococcus bacterin | -----        | 19, 156                      |
| Bronchisepticus-streptococcus-typhimurium bacterin    | -----        | 16, 400                      |
| Clostridium chauvei-septicus bacterin                 | -----        | 3, 929, 895                  |
| Clostridium chauvei-welchii bacterin (export only)    | -----        | 1, 054, 230                  |
| Clostridium hemolyticum bacterin                      | -----        | 3, 720, 750                  |
| Clostridium novyi bacterin                            | -----        | 131, 750                     |
| Coli-enteritidis bacterin                             | -----        | 749, 975                     |
| Coli-enteritidis-pasteurella bacterin                 | -----        | 290, 135                     |
| Coli-staph-strep bacterin                             | -----        | 222, 250                     |
| Colon bacillus bacterin                               | -----        | 68, 895                      |
| Felisepticus bacillus bacterin                        | -----        | 2, 310                       |
| Gallinarum-typhimurium bacterin                       | -----        | 293, 715                     |
| Hemorrhagic-septicemia bacterin                       | -----        | 49, 407, 795                 |
| Pasteurella avicida bacterin                          | -----        | 1, 380, 285                  |
| Pasteurella-pseudodiphthericum bacterin               | -----        | 14, 383, 920                 |
| Pasteurella-salmonella cholerasuis bacterin           | -----        | 197, 850                     |
| Salmonella abortusovae bacterin                       | -----        | 28, 990                      |
| Salmonella cholerasuis bacterin                       | -----        | 539, 520                     |
| Staphylococcus bacterin                               | -----        | 32, 875                      |
| Staphylococcus-streptococcus bacterin                 | 9, 760       | 1, 430, 695                  |
| Streptococcus bacterin                                | -----        | 570, 390                     |
| Total   | 9, 760       | 164, 964, 569                |

**MIXED BACTERIN**

|                          | <i>Cubic<br/>centimeters</i> |
|--------------------------|------------------------------|
| Mixed bacterin (avian)   | 19, 051, 714                 |
| Mixed bacterin (bovine)  | 47, 360, 841                 |
| Mixed bacterin (canine)  | 294, 621                     |
| Mixed bacterin (equine)  | 3, 296, 893                  |
| Mixed bacterin (feline)  | 66, 820                      |
| Mixed bacterin (lepine)  | 3, 515                       |
| Mixed bacterin (ovine)   | 9, 638, 785                  |
| Mixed bacterin (porcine) | 23, 856, 485                 |
| Total                    | 103, 569, 674                |

**Grand total:**

|                   |               |
|-------------------|---------------|
| Cubic centimeters | 409, 354, 934 |
| Disks             | 451, 845      |
| Milligrams        | 28, 444, 700  |

## RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS

Penalties and fines have been imposed in prosecutions for violations of regulatory laws, as reported to the Bureau, as follows:

### Twenty-Eight-Hour Law

Atchison, Topeka & Santa Fe Railway Co. (2 cases), \$200 penalties.  
Baltimore & Ohio Railroad Co. (3 cases), \$300 penalties.  
Central Railroad Co. of New Jersey (2 cases), \$200 penalties.  
Chicago, Milwaukee, St. Paul & Pacific Railroad, \$10 penalty.  
Grand Trunk Western Railroad Co., \$100 penalty.  
Lehigh Valley Railroad Co. (2 cases), \$200 penalties.  
Missouri Pacific Railroad Co., \$100 penalty.  
New York Central Railroad Co., \$100 penalty.  
Northern Pacific Railway Co., \$100 penalty.  
Pennsylvania Railroad Co. (37 cases), \$3,700 penalties.  
Southern Pacific Co. (4 cases), \$400 penalties.  
Union Pacific Railroad Co., \$100 penalty.  
Wabash Railroad Co., \$100 penalty.

### Meat Inspection Act

For offering uninspected meat for interstate shipment:

National Meat Co., Boston, Mass., \$20 fine. (M. I. case No. 1964.)  
New York Beef & Veal Co., Boston, Mass., \$20 fine. (M. I. case No. 1962.)  
Walter Products Co., Chicago, Ill., \$10 fine. (M. I. case No. 1958.)

## CONFORMANCE WITH WARTIME INFORMATION POLICIES

The Bureau is in receipt of several communications from Government agencies dealing with wartime information policies that concern employees both in Washington and the field. The communications are from Stephen Early, Secretary to the President; Elmer Davis, Director, Office of War Information; and Morse Salisbury, Director of Information of the Department of Agriculture. The basic purpose of the information is to provide for the continuance of cooperative relations between Government agencies on the one hand and the press and radio facilities on the other, in a manner that will strengthen this country's war effort and not aid the enemy.

The substance of the various memoranda, so far as employees of the Bureau of Animal Industry are concerned, is briefly as follows: Employees should be unusually careful in the distribution of all types of information whether given verbally or in any kind of written form. They should inform themselves fully on matters concerning which they furnish information and preferably discuss subjects within their own field of activity or scope of their technical knowledge. No information, aside from that previously published, should be given concerning the import or export of commodities or the inspection of commodities intended for import or export. Statements involving interpretations of factual data should preferably be referred to the Washington office for approval prior to their issuance either in written or interview form. For instance, the production and current use of large quantities of anti-hog-cholera serum do not necessarily imply an increase in hog-cholera outbreaks. Such use may be merely the result of increased numbers of hogs and increased value per head. Also, an official request for a specified step-up in production does not mean maximum production. Thus, as representatives of the Department of Agriculture, employees should be especially careful in making statements likely to affect food programs or farm practices. The distribution of factual information is, in general, safer and more advisable than venturing personal opinions on matters involving economic or military problems.

The various communications received from the agencies previously mentioned provide for an orderly system of official review of various types of information relating directly or indirectly to the war and to the activities of the Department that are geared closely with the Nation's war effort. When circumstances make it desirable for Bureau employees to write or speak publicly on subjects relating to the work of other branches of the Government or to the war, the manuscript should be submitted to the Washington office for approval at least 10 days beforehand. To expedite official clearance of this class of material, two extra carbon copies should accompany the original manuscript. No changes are involved in



the procedures of submitting scientific material relating closely to Bureau work. The purpose of this notice is to acquaint employees with the situation outlined and to request full cooperation and compliance.

## REVISED EDITIONS OF BOOKS, DISEASES OF CATTLE AND DISEASES OF THE HORSE

Early in October of this year revised editions of the two volumes, Diseases of Cattle and Diseases of the Horse, will be issued by the Government Printing Office. Although the revisions of the books were prepared in the Bureau of Animal Industry, the volumes have been issued as Congressional documents by direction of Congress and allotted to Congressmen and Senators for distribution. The Bureau has purchased a small number of copies that will be distributed among offices, whose work relates to horse or cattle diseases, in Washington and the field.

Aside from these office copies, to be used for reference, the Bureau will have none of the books for distribution. Accordingly, employees should advise persons making inquiries concerning these books that the supply for free distribution has been allotted to members of Congress, and that the books are for sale by the Superintendent of Documents, Government Printing Office. The price of each book, is \$1.75.

## NEW PUBLICATIONS OF THE BUREAU

[The Bureau keeps no mailing list for sending publications to individual employees, but sends copies to officers in charge of stations and offices. These publications should be regarded as notification copies. So far as possible additional copies will be furnished on request.]

Circular 654. Cross-Section-Area Method for Determining Density of Wool Fibers. By John I. Hardy and Harold W. Wolf, Animal Husbandry Division. Pp. 11, figs. 5.

Journal of Agricultural Research Separate A-211. Stomach Worm (*Haemonchus contortus*) Infection in Lambs and Its Relation to Gastric Hemorrhage and General Pathology. By John S. Andrews, Zoological Division. Pp. 18, illus.

Yearbook Separate 1872. Protective Mechanisms Against Disease. By Adolph Eichhorn, Animal Disease Station; Merritt P. Sarles, Zoological Division; and N. R. Ellis, Animal Nutrition Division. Pp. 138-154.

Yearbook Separate 1874. The Relation of Genetics to Disease. By Hugh C. McPhee, Animal Husbandry Division. Pp. 167-174.

Yearbook Separate 1878. Regulatory Activities in Animal-Disease Control. By A. W. Miller, Interstate Inspection Division; S. O. Fladness, Field Inspection Division; A. E. Wight, Tuberculosis Eradication Division; D. I. Skidmore, Virus-Serum Control Division; E. C. Joss, Meat Inspection Division; and H. E. Moskey, Food and Drug Administration, Federal Security Agency. Pp. 209-226.

Yearbook Separate 1880. Tuberculosis and Its Eradication. By A. E. Wight, Elmer Lash, and H. M. O'Rear, Tuberculosis Eradication Division; and A. B. Crawford, Animal Disease Station. Pp. 237-249.

Yearbook Separate 1883. Parasites and Insects Affecting Livestock. By Benjamin Schwartz, Zoological Division, and F. C. Bishopp, Bureau of Entomology and Plant Quarantine. Pp. 276-294.

Yearbook Separate 1885. Nutritional Diseases of Farm Animals. By Louis L. Madsen, Animal Nutrition Division. Pp. 323-353.

Yearbook Separate 1887. Part 3. Common Diseases and Parasites of Horses and Mules: Equine Encephalomyelitis. By L. T. Giltner and M. S. Shahan, Pathological Division, pages 375-391. Equine Infectious Anemia, or Swamp Fever. By C. D. Stein, Pathological Division, pages 392-401. Periodic Ophthalmia of Horses. By L. O. Mott and H. R. Seibold, Pathological Division, pages 402-408. Glanders. By T. W. Cole, Field Inspection Division, pages 409-412. Dourine. By T. W. Cole, Field Inspection Division, pages 413-416. Miscellaneous Diseases of Equines. By L. O. Mott, M. S. Shahan, and L. T. Giltner, Pathological Division; and A. H. Frank, Animal Disease Station, pages 417-458. Internal Parasites of Horses and Mules. By Aurel O. Foster, Zoological Division, pages 359-475. Mange in Equines. By Marion Imes, Zoological Division, pages 476-481. Horse Bots and Their Control. By F. C. Bishopp, Bureau of Entomology and Plant Quarantine, and Benjamin Schwartz, Zoological Division, pages 482-491. Some Insect Pests of Horses and Mules. By F. C. Bishopp, Bureau of Entomology and Plant Quarantine, pages 492-500.

Yearbook Separate 1888. Part 4. Diseases and Parasites of Cattle: Brucellosis of Cattle. By Elmer Lash and H. M. O'Rear, Tuberculosis Eradication

Division, pages 501-511. *John's Disease*. By B. T. Simms and H. W. Johnson, Regional Animal Disease Research Laboratory, Auburn, Ala.; and William M. Mohler, Pathological Division, pages 512-517. *Bovine Mastitis*. By W. T. Miller, Animal Disease Station, pages 518-522. *Blackleg*. By William M. Mohler, Pathological Division, pages 523-525. *Shipping Fever, or Hemorrhagic Septicemia*. By C. D. Stein, Pathological Division, pages 526-532. *Milk Fever*. By L. T. Giltner, Pathological Division, pages 533-536. *Miscellaneous Diseases of Cattle*. By G. T. Creech, R. L. Knudson, and O. L. Osteen, Pathological Division, pages 537-564. *Cattle Coccidiosis*. By Donald C. Boughton, Regional Animal Disease Research Laboratory, Auburn, Ala., pages 565-571. *Cattle Tick Fever*. By W. M. MacKellar, Division of Tick Eradication and Special Diseases, pages 572-578. *Anaplasmosis: A Disease of Cattle*. By George W. Stiles, Pathological Division, pages 579-587. *Cattle Scab and Its Control*. By Rudolph Snyder, Interstate Inspection Division, pages 588-592. *Tapeworm and Roundworm Parasites of Cattle*. By Dale A. Porter, Regional Animal Disease Research Laboratory, Auburn, Ala., pages 593-604. *Bovine Genital Trichomoniasis*. By G. Dikmans, Zoological Division, pages 605-611. *Cattle Grubs, or Heel Flies*. By E. W. Laake, F. C. Bishopp, and R. W. Wells, Bureau of Entomology and Plant Quarantine, pages 612-619. *The Stablefly*. By F. C. Bishopp and E. W. Laake, Bureau of Entomology and Plant Quarantine, pages 620-625. *The Horn Fly*. By W. G. Bruce, Bureau of Entomology and Plant Quarantine, pages 626-630. *Cattle Lice*. By O. G. Babcock and E. C. Cushing, Bureau of Entomology and Plant Quarantine, pages 631-635. *Cattle Injuries Caused by Ingesting Foreign Objects*. By L. T. Giltner, Pathological Division, and John A. Patton, Meat Inspection Division, pages 636-641. *Paint Poisoning in Cattle*. By L. T. Giltner, Pathological Division, pages 642-644. *Nutritional Diseases of Cattle*. By Louis L. Madsen, Animal Nutrition Division, pages 645-672.

### AMENDMENTS TO DEPARTMENT REGULATIONS

The following amendments to the regulations of the Department have been issued:

Amendment 147, covering regulations 1522, 1523, 1580, 2531, 2532, and 2561.

Amendment 148, covering regulations 1837 and 1838.

Amendment 149, covering regulations 3348, 3435, and 4121.

### ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY

*Chief:* JOHN R. MOHLER.

*Assistant Chief:* A. W. MILLER.

*Assistant Chief:* HUGH C. MCPHEE.

*Assistant Chief:* HARRY W. SCHOENING.

*Assistant Chief:* PAUL E. HOWE.

*Business Manager:* J. R. COHRAN.

*Assistant Business Manager:* N. A. OLMSTEAD.

*Assistant to Chief:* D. S. BURCH.

*Animal Husbandry Division:* HUGH C. MCPHEE, Chief.

*Division of Tick Eradication and Special Diseases:* W. M. MACKELLAR, Chief.

*Division of Virus-Serum Control:* D. I. SKIDMORE, Chief.

*Field Inspection Division:* S. O. FLADESS, Chief.

*Interstate Inspection Division:* A. W. MILLER, Chief.

*Meat Inspection Division:* EDWARD C. JOSS, Chief.

*Pathological Division:* HARRY W. SCHOENING, Chief.

*Tuberculosis Eradication Division:* A. E. WIGHT, Chief.

*Zoological Division:* BENJAMIN SCHWARTZ, Chief.

*Animal Disease Station:* ADOLPH EICHHORN, Director.







